

What is HTML ?

HTML (HyperText Markup Language) is a programming language that helps create web pages.

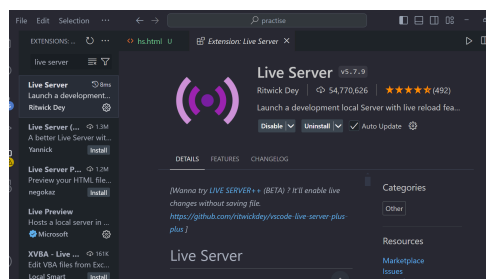
- HTML stands for Hyper Text Markup Language .
- HTML is the standard markup language for creating Web pages .
- HTML describes the structure of a Web page .
- HTML consists of a series of elements .
- HTML elements tell the browser how to display the content .
- HTML defines text, images, videos, links, forms, tables, and other elements on web pages.

Types of HTML

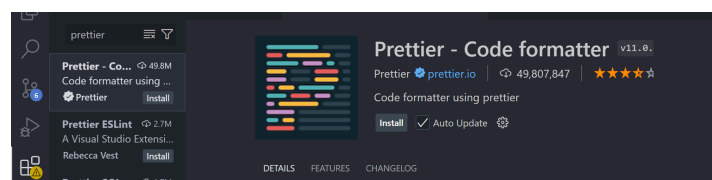
1. Structural HTML: Defines web page structure.
2. Presentational HTML: Defines web page layout and design.

VSCODE Setup HTML

- a. download vscode / Install
- b. open vscode
- c. extension used
 - Live server



- prettier



- a. create a folder ...

- b. create a html file ..
- c. design a first project

Example HTML

```
1 <!DOCTYPE html> <!-- define this HTML5 document . -->
2 <html lang="en"> <!-- root element of an HTML page . . -->
3
4 <head>
5     <meta charset="UTF-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0"> <!-- meta info -->
7     <title>Document</title>
8 </head>
9
10 <body>
11     <!-- Content goes here -->
12
13 </body>
14
15 </html>
```

Example Explained

- The **<!DOCTYPE html>** define this HTML5 document .
- The **<html>** element is the root element of an HTML page .
- The **<head>** element contains meta information about the HTML page .
- The **<title>** element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)
- The **<body>** element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.
- The **<h1>** element defines a large heading
- The **<p>** element defines a paragraph

Key Components of HTML

1. Tags: Used to define elements.
2. Attributes: Define properties of elements within tags.
3. Content: Defines data within elements.

HTML Basic Elements:

1. Heading Tags: `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>`, `<h6>`
2. Paragraph Tag: `<p>`
3. Link Tag: `<a>`
4. Image Tag: ``
5. List Tags: ``, ``, ``
6. Div Tag: `<div>`
7. Span Tag: ``
8. Table Tags: `<table>`, `<tr>`, `<td>`

9. Form Tags: <form>, <input>, <textarea>, <select>

10. Semantic Tags: <header>, <nav>, <main>, <section>, <footer>

HTML Attributes:

1. id
2. class
3. style
4. href
5. src
6. alt
7. title
8. placeholder

HTML Tag Properties

1. Inline Elements: , <a>,
2. Block Elements: <div>, <p>, <h1-6>
3. Container Elements: <div>,
4. Self-Closing Tags: ,
, <hr>

